# 1955

## Belgian Congo

14 A	from foot path at Magenia fishery, Stanleyville, April 19.
	from shoreline, muddy sand, Wagenia fishery, Stanleyville, Apr. 19.
	rotten wood from log in "robuste" coffee field, Tangambi, Apr. 24.
	from among rubber trees, near "robusta" field, Tangambi, Apr. 24.
22	ten feet from base of giant tree (Intendrophrague), Mangambi, Apr. 2
26	just past kilometers 156 out of Stanleyville, on road to Mia-Mia,
	from base of old tree stump in coffee plantation, 245 kilomoters
	moist mud, about 2 ft. above water level. One Aver, on road to
35	from base of termite mound, oil not buying about on road to Miangara, April 20.
	from antelope field, Cangala-na-Bodie, April 79.
	from bedy elephant wellow (mud puddle on river bank), Cangala-na-
	from Side of Side road into Aulierle "Trangu," enroute
	right side main road at Hullerie "Abengu," enroute, Gangala-na- Rodio, April 29.
	from reseaside ditch, Pungo read enroute Cangala-na-Rodio, April 29.
46	at top of alone before second "formy", Caronia Park, April 30.
	at shoreline, second ferry, Garamba Park, April 30.
	from between roots of large acacla, right side betwee road fork at Paradje, May 1.
50	from bank 3 feet above road, right side Goto-Nioka road, 45 kilometers from Nioka, May 1.
	from corn field, native village, before bloka veterinary laborator, May 2.

## Belgian Congo

53	Mota. Indac Agric. Exper. Station garden, int.
	ense as 53, but from coffee field near offices top of hill, hay 2.
	from bank scross road from coffee field (to. 54 above), May 2.
	from down hill side of road, Essenyi road (returning), Nay 3.
	from between roots of big tree, entrance it. Oyo caves, buy h.
	soil and reck sample from floor of End cave, M. Mayo, May L.
	under shade of cactus top of bluff before (west bouse, is ange, by é.
	from low point of afternoon drive, s. w. road, ishango, by 6.
	by log in pyggy village, 23 kilometers from Sent, Pay 5.
	from path to the tillage near heat, but is
65	from Diene hospital grounds, A.I.A., 30 Cilomotors from Boni, Boy A.
67	near hippo dung, near bataling agos monument, Hwindi Camp, May 10.
66	near kilometer-post 169 out of Sutemborous way to Reind Camp, May 9.
	iros bullalo watering place mest telican steure, isladi, for 10.
69	from Milyon whore, near No. 67, Buildi Camp, May 10.
	from top of bank above lion feeding ground near hippo-pool afternoon,
	from bank of strong, landoutly arm, later, have be
	iron entrance of Min-ye-moto but cave, Lake Mivi, May 16.
75 D	rock and black volcanie soil from Mulungu farm (Nemorieka), Nay 17.
76	from cotton field, south of Tvire, Lake Tangaryika, May 20.
	from bank of stream near reliver, brite, Lake languaging, the
	bottom semple dredted ison i meters, off vira station. Let me time (if of no use to you return symptime can be sterilized or furnisquited afterwards.
***	roadcide excevation out of Astrica, red patch at bottom of pit, May 23.
@ Retu	in what is not used; represents break-down of some dlava I also saved, could be sterilized or furnisated, afterwards.

## Belgian Congo

- consists side of read from No. 79, dry dark soil near tree and among grass roots, 67 kilometers out of Astrica, No. 23.
- from mong grass roots on read to Cabiro, near velocas sign to
- of near where sebras were photographed lagora Park, May 26.
- 03 from expressive nest bit, Marera Park, May 21.
- from top of Mill where rest house is to be built, Magera Park, May 24.
- die de conservat ditch, lagera l'ark, ler di.
- So from grass roots top of causeway ditch, Ragers Park, May 24.

### Tranca.

87 on road to Juba, Nay 28.

### Sidan

- de mear puddle neur shore, buffalo Capa, river Mile, June 1.
- Detroes piles of mood, Buffale Cape, river Mile, June 1.
- you hard lumps of soil, builtale Cape, river bile, June 1.
- 91 from shore Taka, river Mile, done ?.
- 92 soft black soil from just above water's edge, Salem Sango, river
- 93 Jehelem, river Nile, June L.

Soil Samples Smithsonian-Breding Expedition, 1958 St. John, Mar. 26, Francis Bay above beach # 1 # 2 Virgin Borda, The Baths Mar. 29 Virgin Borda, The Baths, Mar. 29 (Soil excavated from water hole) (Sprin # 3 # 4 Oether Id. L'Me Bay, Mar. 29 # 5 Mrs Prida, Mara 30, Soil Am Mrs Phiele's garden above Road Down Th Dortola, HMar 31, hill, north Side, Sopars Bole # 7 Ust Van Dyke Mor. 2 Anegada, Pomato Pt. Apr. 8 # 8 St. Murtin Li Me Bay Apr. 11 Fran Listel grounds # 9 St. Murtin, Old Fort Lill, Bor. 12 # 10 An guilla, Road Buy Apr. 13 # 14

# 12 Antiqua, Desmands Hare Antiqua, English Abr, & Anr. 20 13 Barbotela, Mor 25, from pate. above Dark Care 14 Bhtiquea, Desmand Nicholsons Bluce Mor. 23 15 Burbuda, Mor. 25, France entrance of Durk Carre Burbuda, Mor. 25, in side Dark Care 17 Barbada, Apr. 25 Bryant Care. (Bryant not Bryan) 197 Debris from Darby Care 201 Burbada, Apr. 26. 21) Antiqua May 1 Antiques But Care 23 Antigua, May l'artentrare 24 Antiqua, May Lat fritot puth leading to But Care 25 Antiqua, May I, mud from edge of F.w. pool on road to But Care.

#### SMITHSONIAN INSTITUTION

A letter has, has not, bee	n written.	WASHINGTON 25, D. C	C., U. S. A. C.	& R. File No.	
Initiated by  The material listed below  (1) a gift.	alds hischim	Mariager Section rs & Co partment ment soution ment soution on 98, Delawar ill (5) return of man	Chief, Division of	vldS.8c	ollect; Messenger.
		LIST OF SPE	CIMENS	Catalog	Number of
	Soil so	ingles Joy Uga	Frank Man Charles and Charles	Les Belones	sian
	Park Maria M				

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Soil Samples 平场 Apr. -13-Leo. Leo, Apr. - 13 -Leo Apri-13-Stanleyville # (14 A) # (14 B) hative mkT. Apr. 19 Apr. 19 Stun. Vangambi Apr. 24. ?# 49 Faradji May 1 21 Yangambi. Apr. 24 # 22 (Foot of giant dree) 156 km out from Schmleyville (Nia Nia Rd. Am. 229 Bor. 26

Call Cook ans

65 6 1 Pygny village May 6 65 6 6 Pgutemba Rwindl. Rd. May 9 67 - Appas. Rwindi May 10 68- awind: Cang. Maylo 69- Maylo 70- Dippo Post. Maylo 71- Rd. Sid. Shiro, Maylo 72 Bd. Sid. Shiro, Maylo. 373 Buttance to but care May 16 Mulunge May 17. 76 Sather Geld Livers May 20 Bot, Late 78' - Wira. May 20 Sample 790 - My 20 800 48.m. KIX564 May 20 82: - 10:30 - May 24 85. - gone bad. 86-87' Rd to duba 89-13-55NO Cape.

# 33 # 35 Palm oil fuctory Apr. 28 41 Gangala Apr. 29 42 " # Apr. 29 44 # 45 Dunge Rd. Apr. 29 世 46 Apr. 30 47 Ourumbalk. Apr. 30 (Civer shore) T May 50 # 52 Nutive villagen Nioka May 2 53 May 2 54 Theac Nicka Ishangs

Belgian Pongo Soil Samples, Belgian Congo 1955 From Bot path at Wagenia Fishery Stanley ville Apr. 19. 14 3. From shore line, muddy sand, Wagenia Fishery, Stanley ville, Apr. 19. Field, Yangambi, Apr. 24. 17 Field, Yangambi, Apr. 24. 21 den feet from buse of giant dree (Entañ drophragma), Yangambi, Apr. 24 22 just past kilometers 156 out of Stanley-ville, on road to Nia-Nia, Mor. 26. From base of old dree stump in coffee plantation, 245 kilometers out of Stanley. Ville, Apr. 26. 28 moist mud 2ft above water level, 20 Obe River, on road to Paulis, 20 Kilmeters from Wamba, Apr. 27. 33 buying base of termite mound, the road to Wiangara, Apr. 28. 35

<u>i</u>	From antelope Field, Gangala-na-Bodio, Apr. 29.
4)2	from baby elephant hallow, (mud puddle on river bank), Bangala-na-Bodio, Apr. 29.
43	From side of side enroute Bangala-na-Bodio, Apr. 29.
44	right side main road, thilerie Mbengy, Enrowe, Gangala-na-Bodio, Apr. 29.
45	from roadside ditch, Dungu road en- route Bangala-na-Bodio, Apr. 29.
46	at dop of slope before second Ferry" Garamba Park, Apr. 300
47	At shore line, second forry, Garamba Park, Apr. 30.
49	From between roots of large acacia right hand side Watsa road Bork at Faradje, May 1.
50,	Faradje, May 1. chark 3 feet above road, from right side Goto-Nioka road, 45 trilometers from Nioka, May 1.
5 2	Francorn Field, native village befre Theac Station, Nioka vetinary laboratory, May 2.

: 53	Nioka IHEAR Agri. Exper. Station garden Nay 2.
54	same as 53, but from coffee field near administr offices dop of hill May 2.
55	Som bank awass road som coffee Reld (#54 above), May 2
57	from down hill side of road, Kasenyi road (returning), May 3.
58	from between roots of big tree, entrance Mt. Hoyo caves, May 4.
59	Soil and rock sample from Ploor of 2nd Cave, Mat. Hoyo, May 4.
60	under shade of Caches Dopof bluff before great house, Ishango, May 6.
61	road side, top of so-Throad, Ishang, May 6.
62	From low point of afternoon drive, S.W. road, Ishango, May 6:
63	

From Bath do Bygmy village near Beni, May 8. : 64 From Dicha hospi. Dal grounds, A.I.M., 30 Kilmeters From Beni, May 8. near Kilmeter, 1969, before Rivindi. Camp, May 9. 65 66 near hippodung, near buthing spot monument, Rwindi Camp, May 10. 67 68 from boffalo natering place near pels-Can ground, Rwindi, May 10. 69 From hipposhore, near #67, #E Rwindi Camp, May 10. from Jop of bank above lion feed.
ing ground near hippo-pool after.
noon, & May 10 70 road-side rut Tshibati Farm, Lwiro, May 15. 71 Form bank of stream Jshibati Farm, Lwiro, May 15. 72 From Entrance of Mia-ya-) Cave, Lake Kivy May 16 from path to #73 but cave, May 16. 73 74

rock and soil samples from Mulungu farm (Hendrick X), May 17. From Ostton Reld, south of Uvira, Lake Tanganyika, May 20. 76 from bank of stream near rail way, Vira, Lake Tanganyika, May 20. bottom sample from 13 meters, off Uvira & tation, Lake Tangany-ika, May 20. road side of out of Astrida, May 23, red patch at bottom of pits 77 70 79 opposite side of road from #79, dry dark soil near tree and among grass roots, May 23. 80 From among grass roots.

son road to Babiro, near welcome
sign to province of Kibungu, May 23. 81 near Where zebras were photoid Kagera Park, May 24. 82 From crocodile nest pit, Kagera Park, May 24. 83

From top of hill where rest house is to be built; Kagera Park, May 24. : 84 From Quesenay ditch, Kagera Park, May 24: 85 Som grass roots top of causeway ditch Kagera Park, May 24. 86 Viganda on road do Muba, May 28 87 Sudan near guddle near shore, Buffalo Cape, river Nile, June 1. between giles of wood Buffalo Cape, river Nile, June 1. 89 hard lumps of soil, Buffalo Cape, river Nile, June 2 90 From shore Italia, river Nile June 2. 91 Soft black soil from just above unters edge, Salem Bango, river Nile, June 3. 92 debelem, river Nile, June 4 93

In addition there are about I samples taken in Leopoldville, April 3-15. One or more were taken in the Ferdinand De Bock Park, and one or two in native market, these test market soil sample or samples were taken on the 15.5. I was unable to check labelling on muslin sacks as I did not want to cut glastic bags in which it was sealed

Several samples appear to have been improperly dried and seem to have mortded within plastic bags.

63 or so samples.

Dear Dr. Wolf,

No. Solks have Juken

a considerable reight off my mind

with the acceptance of the spill

Samples collected in the Belgian Cong and ma small part in the Sudanin the course of the Smith smian - Bredin Expedition This past April, May, and June

(list enclosed). In this mail or with in a day or dwo you will hear from Dr. Willis It. Wheeler regarding the conditions set up by the U.S. Department of Agriculture under shipment of raw, Samples of soil is permitted. Districted of the Samples of the Shall forward them confidences of the shall forward the shall forward them confidences of the shall forward them confidences of the shall forward them.

agains Tundue asld, and ask the: express company not to leave Them around in an unheated place. IF There is any chance that Reezing would have the samples please have me and so that we can then wait to make the more more moderate termperatures that present or the thing. Under any circum sounces, I shall hat held he sunder the sunder the sunder the sunder the sunder the header the theory is then depending up and or the least the wheeler gets in her depending up and or the least the wheeler gets in her depending up and or the least the wheeler gets in the least the last the least the last the least Hi You will no doubt have heard some Thing about these specimens from Mr Bisrnson With this I am sending regarding them. the desire to have something don't With and adjoint hem. They are being sent Allow with "no strings of any kind attached.

in Assert of Tom Trying to be as hopeful as can be that you may find something Worldwill in lone or more of These soils. Should you be looking Or a name for something news.
Mr. Breding his wise Ochringer
toom little daughter Andonia;
most recent addition to the Panil, i or more remotely, James Smithson. Who founded this Institution, might be considered. I do not want to do a lot of Asolish an-Dicipating, hat I am holding a good Thought as the Christian Scientists say Sincerely

Dr. Dale E. Wolf

E. I. du Port de Memours & Company

Grasselli Chemicals Department

Building 268, Experimental Station

Wilmington, Delaware

Dear Mr. Wolf:

You folks have taken a considerable weight off my mind with the acceptance of the soil samples collected for the greater part in the Relgian Congo and a small part in the Sudan during the Smithsonian-Bredin Expedition this past April, May, and June (list enclosed).

In this mail or within a day or two you will hear from Dr. Willis H. Wheeler regarding the conditions set up by the U. S. Department of Agriculture under which the handling of raw, unfumigated samples of soil is permitted. As soon as Dr. Wheeler releases the samples to me I shall forward them to you. I shall endeavor to protect them against undue cold, and ask the express company not to leave them around in an unheated place. If there is any chance that freezing would harm the samples please warn me. We can then await more moderate outdoor temperatures than obtain at present. Under any circumstances, I shall not be able to send the samples on until Dr. Wheeler gets your reply to his letter.

You will no doubt have heard something about these specimens from Mr. Bjornson. With this I am sending you the other pertinent correspondence regarding them. They are being sent with "no strings" of any kind attached.

I am trying to be as hopeful as can be that you may find something worthwhile in one or more of these soils. Should you be looking for a name for
something new---Mr. Bredin, who made the expedition possible; his wife, Octavia;
or little daughter, Antonia--most recent addition to the family; or more remotely,
James Smithson, who founded this Institution---all or any of these might be
considered. I do not want to do a lot of foolish anticipating but I am holding
a good thought, as the Christian Scientists say.

Sincerely,

Maldo L. Schmitt Head Curator Department of Moology

Mics.